

IDNR Master Matrix Technical Advisory Committee
Urbandale, Iowa
MEETING FIVE
August 14 and 15, 2002

SUMMARY MINUTES

- 1.10 Welcome from Federal Mediation & Conciliation Service (FMCS)
Introduction of Committee members, FMCS facilitators, and public attendees.
- 1.11 Committee members and FMCS facilitators present:
- Brent Halling, Iowa Department of Agriculture
 - Robin Pruisner, IDNR
 - Mary Gilchrist, University of Iowa (Uof I)
 - John Lawrence, Iowa State University (ISU)
 - Susan Heathcote, Iowa Environmental Council
 - Jim Gustafson, Iowa State Association of Counties (alternate)
 - Calvin Rozenboom, Farm Bureau
 - Aaron Heley Lehman, Iowa Farmer's Union (alternate)
 - Joe Laffoon, Iowa Poultry Association
 - John Korslund, Iowa Pork Producers Association (alternate)
 - Rosemary Hayes, FMCS
 - Danny Mabe, FMCS
 - Scot Beckenbaugh, FMCS
 - Keith Norton, FMCS
 - Tim Benton, Attorney General, advisor
 - Christine Spackman, IDNR, recorder
- 1.12 Public attendees:
- Michelle Meineke, Iowa Farm Bureau
 - Wendy Walker, Iowa Department of Economic Development
 - Sherry Timmins, Iowa Department of Economic Development
 - Deanna Roelfs, Iowa Select Farms
 - Jim McKean, ISU
 - Robert Mulqueen, Iowa State Association of Counties
 - Wayne Gieselman, IDNR
 - Elizabeth Horton Plasket, Iowa Environmental Council
 - Linda Kinman, Des Moines Water Works
 - Nick Biggs, Tri Oak Foods
 - Sue Behrns, Iowa Waste Reduction Center, University of Northern Iowa
 - Karen Grimes, IDNR
 - Rachel Couror, WHO Radio
 - Erin Jordahl, Sierra Club
 - Eldon McAfee, Iowa Pork Producers Association
 - Norm Moglestad, Iowa Dairy Producers
- 1.13 There were two presenters during the 30-minute public participation time. Dr. Jim McKean, ISU, provided comments on subtherapeutic antibiotic usage with livestock.
- 1.14 Nick Biggs, Tri Oak Foods, provided comments on the Master Matrix development. He gave the Committee a handout (Exhibit 42). Some discussion by the Committee ensued concerning the steps to be followed by the County and the IDNR during the siting/permitting process.

- 1.15 Susan Heathcote, Iowa Environmental Council Committee member, introduced a comment letter from the Community Health Services of Marion County (Exhibit 43).
- 1.16 The Committee continued to discuss the roles of the County and IDNR in siting and approval of a new operation. Robin Puisner, IDNR committee member, introduced Wayne Gieselman, IDNR, who provided input on the discussion.
- 1.17 Robin Puisner introduced a comment letter from Patrick Bosold. (Exhibit 44)
- 1.18 BREAK – 15 minutes at 10:30 AM
- 1.19 Rosemary Hays asked for comments on the draft minutes for the prior meeting. Two changes to the draft minutes were approved by consensus. TM Oak was changed to Tri Oak. Item 1.17, second sentence, was ended after presentation. Dr. Gilchrist distributed a summary of Dr. Nelson's comments from the prior meeting (Exhibit 45). The Committee approved by consensus the minutes as amended.
- 1.110 Jim Gustafson, Iowa State Association of Counties committee member, handed out an example structure for the matrix (Exhibit 46).
- 1.111 John Korslund, Iowa Pork Producers committee member, handed out a modified version of the Excel spreadsheet for consideration. (Exhibit 47)
- 1.112 Dr. Gilchrist, U of IA committee member, handed out a modified version of the Excel spreadsheet for consideration. (Exhibit 48)
- 1.113 John Korslund, Iowa Pork Producers Association, suggested a big picture matrix structure.
- 1.114 The Committee asked that the Excel spreadsheet be placed on the overhead screen with the subheadings.
- 1.115 LUNCH RECESS at 11:50 PM
- 1.116 The Committee reviewed the mitigating factor list eliminating minor scores within a category (Air, Water, Community).
- 1.117 BREAK 15 minutes at 2:50 PM
- 1.119 A copy of the revised Excel spreadsheet was distributed to the Committee. (Exhibit 49)
- 1.120 A discussion occurred concerning the enforceability of some of the mitigating factors. A definition of community was discussed – social, economic, health, taxes, tourism, recreation.

Modifications of the mitigating factors were made:

- #5 schools, churches and #7 businesses/commercial enterprises combined
- #3 residences and #8 hospitals, nursing homes, etc combined
- #9 thoroughfares and #10 primary highways combined
- remove snow removal from #22 truck turnaround
- #14 ag drainage wells/sink holes and #19 major water sources combined
- #12 distance to private wells and #13 distance to public wells
- #37 residences and #42 hospitals, nursing homes, etc combined
- #39 schools, churches and #41 businesses/commercial enterprises combined
- #44 distance to private wells and #45 distance to public wells
- #46 ag drainage wells/sink holes and #48 major water sources combined

Discussion of assigning points to the mitigating factors using TAGS was discussed.

1.121 Meeting adjourned at 5:10 PM to be reconvened at August 9 at 8:00 AM.

IDNR Master Matrix Technical Advisory Committee
Urbandale, Iowa
MEETING FIVE
August 15, 2002

SUMMARY MINUTES

1.20 Opening

1.21 Committee members and FMCS facilitators present:

- Brent Halling, Iowa Department of Agriculture
- Robin Pruisner, IDNR
- Mary Gilchrist, University of Iowa (U of I)
- John Lawrence, ISU
- Susan Heathcote, Iowa Environmental Council/ Elizabeth Horton Plasket (alternate)
- Jim Gustafson, Iowa State Association of Counties (alternate)
- Calvin Rozenboom, Farm Bureau
- Aaron Heley Lehman, Iowa Farmer's Union (alternate)
- Joe Laffoon, Iowa Poultry Association
- John Korslund, Iowa Pork Producers Association (alternate)
- Rosemary Hayes, FMCS
- Scot Beckenbaugh, FMCS
- Danny Mabe, FMCS
- Keith Norton, FMCS
- Tim Benton, Attorney General, advisor
- Christine Spackman, IDNR, recorder

1.22 Public attendees:

- Michelle Meineke, Iowa Farm Bureau
- Wendy Walker, Iowa Department of Economic Development
- Elizabeth Horton Plasket, Iowa Environmental Council
- Deanna Roelfs, Iowa Select Farms
- Hugh Vogel, Sunrise Farm
- Sue Behrens, Iowa Waste Reduction Center
- Joe Greving, EHT
- Robert Mulqueen, Iowa State Association of Counties
- Deanna Roelfs, Iowa Select Farms
- Rick Kelly, U of IA Hygienic Laboratory
- Norm Mohlestad, Iowa Dairy Producers
- Eldon McAfee, Iowa Pork Producers Association
- Lew Olson, Iowa House Republican Staff
- Linda Kinman, Des Moines Water Works

1.23 Some discussion occurred within the Committee concerning the use of a model in the matrix.

The Committee continued to discuss changes to mitigating factors:

- #35 water sources and #38 ag drainage wells/sink holes, major water sources combined
- #30 conservation practices – soil conservation practices removed
- #42 non-application prior to annual legume crops removed

1.24 BREAK – 15 minutes at 10:00 AM

1.25 A TAGS version of the updated mitigating factors list was distributed. (Exhibit 50)

The Committee continued to discuss changes to mitigating factors:

- Added “or using” to selling manure as an energy source
- Animal Feeding Operation violation history is intended to just include AFO environmental and worker safety violations during the last 5 years
- Size of facilities – 2 categories: 1000 to 2000 Animal Units (AU), 2000 to 3000 AU

1.26 LUNCH recess at 11:45 AM

1.27 The Committee continued to discuss changes to mitigating factors:

- For quality job development based on IA Workforce Development (IWD Region) median of Farm worker, farm and ranch animals 45-2093
- Add to Non-Participation in Pollution Control Tax Exemption – donate to the county taxing authorities an amount equal to their savings
- Change family farm factor to applicant or a majority of ownership held by entities that qualify for the family farm tax credit.
- Regarding the absence of subtherapeutic antibiotic supplementation, Mary Gilchrist provided a handout (Exhibit 51). This factor was placed on the parking lot list so that Robin Pruisner and Brent Halling can locate information on definitions of “antibiotic” and “subtherapeutic.”

1.28 BREAK – 15 minutes at 2:45 PM

- Change the language of worker health/safety factor to “as part of the construction permit application submitted worker health and safety protection plan”

1.29 The mitigating factor list as modified:

Site separation distances – facilities

- Residences, Hospitals, nursing homes, licensed/registered daycare centers, licensed residential care facilities
- Public Use Areas (567 IAC Chapter 65)
- Schools, churches, Business/Commercial Enterprise
- Water sources
- Thoroughfares
- Critical public areas as defined in Code
- Distance to private and public wells
- Ag drainage wells/sink holes, major water sources
- Designated wetlands
- Distance to nearest facility with MMP
- Groundwater aquifers(vertical separation)*
- High quality water resource which includes HQ, HQR and PWA

Site

- Modeling (siting is optimized based on computerized modeling)*
- Truck turn around

Structure (storage)

- Covered manure storage as defined in Chapter 65
- Emergency containment*
- Filters demonstrated to improve air quality
- Landscaping with wind breaks to improve appearance and odor control
- Structure enhancing of stock piling and/or composting to include impermeable pad and covers
- Formed storage
- Aerate manure storage structure

Nutrient management/land application

- Manure application by injection or incorporation

- Manure application rate – based on crop phosphorus utilization
- Conservation practices - buffer strips meet NRCS standards
- Non-Highly Erodible Land (HEL) application
- Residences, Hospitals, nursing homes, licensed/registered daycare centers, licensed/registered residential care facilities
- Public Use Areas (567 IAC Chapter 65)(SD)
- Schools, churches, business/commercial enterprise (SD)
- Critical public areas as defined in Code(SD)
- Distance to private and public wells(SD)
- Ag drainage wells/sink holes, major water sources, water sources(SD)
- Designated wetlands(SD)
- High quality water resource which includes HQ, HQR, and PWA
- PHYTASE feed additive
- Distance between facility and application fields
- Selling or using manure as an energy source
- Composting manure/bedding
- Bulk dry manure incorporated as conservation plans allow under 200A
- Bulk dry manure sold under 200A

Community impact

- Demonstrated neighborhood support within a radius which equals two times the set back distance
- Applicant's animal feeding operation violation history for the last 5 years (environmental & OSHA)
- Size of facility – 2 categories – 1000 to 2000 Animal Units (AU) and 2000 to 3000 AU
- Quality job development based on Iowa Workforce Development (IWD Region) median hourly wage for farm worker, farm and ranch animals (45-2093)
- Non-participation in pollution control property tax exemption & donate to the county taxing authorities an amount equal to their savings
- Site qualifies as homestead property exemption
- Applicant, or majority of ownership making up the applicant, qualifies for the family farm tax credit
- Absence of subtherapeutic antibiotic supplementation*
- Construction permit application contains worker health and safety protection plan
- Facility waiver of confidentiality of manure management plan records
- Owner of livestock listed on manure management plan
- Separation distances – facilities in relationship to unknown distance between poultry and swine*
- Defined added economic community value*

Operations

- Monitoring air
- Posted emergency action plan
- Closure plan
- Feeding/watering systems that significantly reduce manure volume
- Adoption and implementation of an environmental management system (EMS)
- Timing of flushing, pumping, pushing
- Monitoring water
- Use of products that promote odor control

*parking lot issue

1.27 Some discussion of future direction occurred –

- public participation

- Robin Pruisner on antibiotic, subtherapeutic doses from state veterinarian
- Farm Bureau on worker safety plan
- Tri Oak on worker safety plan
- finish the mitigating factor list
- assign points
- matrix structure

1.28 Meeting adjourned at 4:10 PM to be reconvened on August 21 and 22.

CONSENSUS DECISION SUMMARY

None

PARKING LOT ISSUES

- Groundwater aquifers
- Modeling
- Emergency containment
- Absence of subtherapeutic antibiotic supplementation
- Separation distances – facilities in relationship to unknown distance between poultry and swine
- Defined added economic community value

ATTACHMENT Master Matrix Technical Advisory Committee Recommendations

Exhibit 42 – Tri Oak Foods comments, presented by Nick Biggs during the public participation

Exhibit 43 – Community Health Services of Marion County comment letter, presented by Susan Heathcote
Iowa Environmental Council

Exhibit 44 – Patrick Bosold comment letter, presented by Robin Pruisner, IDNR

Exhibit 45 – Dr. Nelson Moyer's Summary, presented by Mary Gilchrist, U of IA

Exhibit 46 - Proposal for Structuring the Master Matrix, presented by Jim Gustafson, Iowa State
Association of Counties

Exhibit 47 – Modified Version of the Excel spreadsheet of mitigating factors, presented by John Korslund,
Iowa Pork Producers Association

Exhibit 48 – Modified Version of the Excel spreadsheet of mitigating factors, presented by Mary Gilchrist,
U of IA

Exhibit 49 – Revised Version of Excel Spreadsheet of Mitigating Factors

Exhibit 50 – Categorization of Mitigating Factors using TAGS

Exhibit 51 – Statement to Master Matrix Committee, August 15, 2002, Mary Gilchrist Ph. D., U of IA